



"PATENT"

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

IN RE APPLICATION OF:

**Richard A. Demmin, et al.**

SERIAL NUMBER: **09/869,987**

FILED: **August 22, 2001**

FOR: **Hydrofining Process Using Bulk  
Group VIII/Group VIB  
Catalysts**

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EXAMINER: **In Suk C. Bullock**

GROUP ART UNIT: **1764**

ATTY. DOCKET NO.: **JHT-0002  
(P1997J057D)**

**Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450**

**COMMUNICATION**

Sir:

Applicants enclose herewith an Information Disclosure Statement, Form 1449, for consideration by the Examiner during the continued examination of this application. The literature references are included.

Respectfully submitted:

Date:

*Gerard J. Hughes*

*22 November 2005*

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Annandale, New Jersey 08801-0900**


**INFORMATION DISCLOSURE STATEMENT**
*(Use several sheets if necessary)*

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**U.S. PATENT DOCUMENTS**

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AA	2,690,433	9/1/54	Engel et al.	252	470	
	AB	3,619,414	11/9/71	Mills et al.	208	143	
	AC	3,678,124	7/18/72	Stepanov et al.	260	680E	
	AD	3,850,746	11/26/74	Robson	208	254H	
	AE	3,861,005	1/21/75	Steinmetz et al.	208	111	
	AF	3,901,828	8/26/75	Mai et al.	252	462	
	AG	4,113,603	9/12/78	Bauer	208	89	
	AH	4,388,223	6/14/83	Ferlazzo et al.	252	437	

**FOREIGN PATENT DOCUMENTS**

		DOCUMENT NUMBER	PUBL. DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
	AK							
	AL							
	AM							
	AN							
	AO							

**OTHER DISCLOSURES (Including Author, Title, Date, Pertinent Pages of Publication, Etc.)**

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	AA	4,701,381	10/20/87	Jack	428	548	
	AB	4,824,821	4/25/89	Lopez et al.	502	220	
	AC	4,857,496	8/15/89	Lopez et al.	502	220	
	AD	4,902,404	2/20/90	Ho	208	57	
	AE	5,446,004	8/29/95	Tenten et al.	502	312	

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	AA	5,643,441	7/1/97	Timken et al.	208	89	
	AB	5,841,013	11/24/98	Ho et al.	585	269	
	AC	5,851,382	12/22/98	Sudhakar	208	216R	
	AD	5,865,988	2/2/99	Collins et al.	208	97	
	AE	5,993,643	11/30/99	Chang et al.	208	59	
	AF	6,083,378	7/4/00	Gildert et al.	208	209	
	AG	6,162,351	12/19/00	Sudhakar et al.	208	216PP	
	AH	6,582,590	6/24/03	Riley et al.	208	210	

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							YES	NO
	AH	0203228	03/12/86	European Patent Office	C10G	65/04		
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	AJ	1458887	15/12/76	Great Britain	C07C	57/04		
	AK	09/000929	1/1997	Japan	B01J	23/88		X
	AL	00/41811	10/7/00	WIPO	B01J	37/03		
	AM	0590673 A1	06/04/94	EP	C10G	45/60		
	AN	0590672 A1	06/04/94	EP	C10G	65/12		

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	AI							

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AJ	Levin, Doron, et al., "Crystal Structure of an Ammonium Nickel Molybdate Prepared by Chemical Precipitation," <i>Inorganic Chemistry</i> , 1996, 35, pp. 4191-4197 (Sept. 1995).
AK	Astier, M.P., et al., "Nickel-molybdenum catalysts prepared by reduction of ammonium triammine tetranickel pentamolybdate," <i>Applied Catalysis</i> , 72 (1991) pp. 321-329.
AL	Astier, M.P., et al., "Ammonium Triammine Tetranickel Pentamolybdate Preparation, Characterization and Crystal Structure," <i>Ann. Chem. Fr.</i> , 12, pp. 337-343 (1987).
AM	Astier, M.P., et al., "Solid State Chemistry," <i>C. R. Acad. Sc. Paris</i> , 304, (II), No. 11, pp. 563-566 (1987).
AN	Mazzocchia, C., et al., "On the NiO, MoO <sub>3</sub> mixed oxide correlation between preparative procedures thermal activation and catalytic properties," <i>Solid State Ionics</i> 63-65 (1993) pp. 731-735.
AO	Mazzocchia, C., et al., "On the NiMoO <sub>4</sub> oxidative dehydrogenation of propane to propene: some physical correlations with the catalytic activity," <i>Catalysis Letters</i> 10 (1991) pp. 181-192.
AP	Levin, Doron, et al., "Chemie Douce Synthesis of a Layered Ammonium Zinc Molybdate," <i>Chem. Mater.</i> 1996, 8, pp. 836-843.

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